

OM nucleic - nucleic search, using sw model

(without alignments)  
15663.834 Million cell updates/sec

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Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Maximum DB seq length: 20000000000

Post-processing:	Minimum Match	08
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Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

Result	Query	Match	Length	DB	ID	Description
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1	1528.8	97.4	1546	9	AF075292	Homo sapi
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4	818.6	52.1	1094	10	AF075291	Mus muscu
5	805.2	51.3	917	6	AR088290	Sequence
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7	805.2	51.3	917	6	AX151107	Sequence
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9	791.4	50.4	893	6	AF211188	Homo sapi
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11	737.6	47.0	1023	6	AX151109	Sequence
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17	619.4	39.6	621	6	E30328	Novel fibro
18	524.8	33.4	624	10	AB004638	Rattus nu
19	524.8	33.4	624	10	AB004639	Mus muscu
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22	449.8	28.6	621	6	AX151111	Sequence
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42	216.6	13.8	683	10	AB009250	Mus muscu
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## ALIGNMENTS

RESULT 1	LOCUS	DEFINITION	ACCESSION	VERSION	KEYWORDS	SOURCE	ORGANISM	REFERENCE	AUTHORS
AF075292	1546 bp	18 (RGF18) mRNA, complete cds.	AF075292	AF075292.1	GI:3687842	Homio sapiens.	Homio sapiens	1 (bases 1 to 1546)	Hu,M.C.-T., Qiu,W.R., Wang,Y.-P., Hill,D., Ring,B.D., Scully,S., Bolton,B., DeRose,M., Luethy,R., Simonet,W.S., Arakawa,T. and

TITLE Danielenko, D.M.  
FGF-18, a novel member of the fibroblast growth factor family,  
stimulates hepatic and intestinal proliferation  
JOURNAL Mol. Cell. Biol. 18 (10), 6063-6074 (1998)  
MEDLINE 98414622  
PUBMED 9742123  
REFERENCE 2 (bases 1 to 1546)  
AUTHORS Hu, M.C.-T.  
TITLE Direct Submission  
JOURNAL Submitted (30-JUN-1998) Departments of Cell Biology, Amgen, Inc.,  
One Amgen Center, 14-1-D, Thousand Oaks, CA 91320, USA

## FEATURES

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## BASE COUNT

360 a 482 c 486 g 218 t

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DB 67 CTTTGGCGTGCAGCG 126  
QY 139 CG 198  
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DB 907 AGCAAGAGTGTGTGTTTCATCGAGAAAGTGTGAGAGACATCAACGCGCTGATGTG 966  
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RESULT 2  
LOCUS BC006245 1163 bp mRNA linear PRI 12-JUL-2001  
DEFINITION Homo sapiens, fibroblast growth factor 18, clone MGC:10529



RESULT 3  
AX427499 1517 bp DNA linear PAT 20-JUN-2002  
LOCUS AX427499  
DEFINITION Sequence 9 from Patent WO0121836.  
ACCESSION AX427499  
VERSION AX427499.1 GI:21537645  
KEYWORDS  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.  
REFERENCE  
AUTHORS 1  
Hodgson, D.M., Lincoln, S.E., Russo, F.D., Spiro, P.A., Banville, S.C.,  
Bratcher, Shawn, R., Dufour, G.F., Cohen, H.J., Rosen, B.H., Shah, P.,  
Chalup, M.S., Hillman, J.L., Jones, A.L., Yu, J.Y., Greenawalt, L.B.,  
Panzer, S.R., Roseberry, A.M., Wright, R.J., Chen, W., Liu, T.,  
Yap, P.E., Stockbrecher, T.K., Amshay, S. and Pong, W.T.  
TITLE Molecules for diagnostics and therapeutics  
JOURNAL Patent: WO 0121836-A 9 29-MAR-2001;  
Incyte Genomics, Inc. (US)  
FEATURES  
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Location/Qualifiers  
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Matches 1074; Conservative 0; Mismatches 12; Indels 0; Gaps 0;  
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DEFINITION Mus musculus fibroblast growth factor 18 (Fgf18) mRNA, complete  
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ACCESSION AF075291  
VERSION AF075291.1 GI:3687840  
KEYWORDS  
SOURCE Mus musculus.  
ORGANISM Mus musculus.  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
REFERENCE  
AUTHORS 1 (bases 1 to 1094)  
Hu, M.C.-T., Qiu, W.R., Wang, Y.-P., Hill, D., Ring, B.D., Scully, S.,  
Bolton, B., DeRose, M., Luethy, R., Simonet, W.S., Arakawa, T. and  
Danilenko, D.M.  
TITLE FGF-18, a novel member of the fibroblast growth factor family,  
stimulates hepatic and intestinal proliferation  
MOL. CELL. BIOL. 18 (10), 6063-6074 (1998)  
MEDLINE 98414622  
PUBMED 9742123  
REFERENCE 2 (bases 1 to 1094)  
AUTHORS Hu, M.C.-T.  
TITLE Direct Submission  
JOURNAL Submitted (30-JUN-1998) Departments of Cell Biology, Amgen, Inc.,  
One Angen Center, 14-1-D, Thousand Oaks, CA 91320, USA  
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LOCUS AR198548 917 bp DNA linear PAT 20-APR-2002  
DEFINITION Sequence 1 from patent US 6352971.  
ACCESSION AR198548  
VERSION AR198548.1 GI:20248397  
KEYWORDS  
SOURCE  
ORGANISM Unknown.  
REFERENCE  
AUTHORS 1 (bases 1 to 917)  
DeJsher,T.A., Conklin,D.C., Raymond,F., Bukowski,T.R.,  
Holderman,S.D., Hansen,B. and Sheppard,P.O.  
TITLE FGF Homologs  
JOURNAL Patent: US 6352971-A 1 05-MAR-2002;  
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RESULT 7  
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LOCUS AX151107 917 bp DNA linear PAT 22-JUN-2001  
DEFINITION Sequence 1 from Patent W00139788.  
ACCESSION AX151107  
VERSION AX151107.1 GI:14533309  
KEYWORDS  
SOURCE human.  
ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 (bases 1 to 917)

AUTHORS West, J. W.  
 TITLE Methods for targeting cells that express fibroblast growth  
 JOURNAL Receptor-3 or-2-1978-A 1 07-JUN-2001;  
 Patent: WO 0139788-A 1 07-JUN-2001;  
 Zymogenetics, Inc. (US)  
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 BASE COUNT 244 a 258 c 252 g 163 t  
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Query Match 51.3%; Score 805.2; DB 6; Length 917;  
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 Matches 907; Conservative 0; Mismatches 3; Indels 80; Gaps 2;

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 BD008427 917 bp DNA linear PAT 31-JAN-2002  
 LOCUS Fibroblast growth factor homologs.  
 DEFINITION BD008427  
 ACCESSION BD008427.1 GI:18636800  
 VERSION JP 2001502178-A/1.  
 KEYWORDS unclassified.  
 SOURCE unclassified.  
 ORGANISM unclassified.  
 1 (bases 1 to 917)  
 AUTHORS Delisher, T. A., Conklin, D. C., Raymond, F. C., Bukowski, T. R.,  
 Holderman, S. D., Hansen, B. and Sheppard, P. O.  
 TITLE Fibroblast growth factor homologs  
 JOURNAL Patent: JP 2001502178-A 1 20-FEB-2001;  
 ZYMOGENETICS INC

COMMENT OS Unidentified  
 PN JP 2001502178-A/1  
 PD 20-FEB-2001  
 PE 16-OCT-1997 JP 1998518577  
 PR 16-OCT-1996 US 60/028646  
 PI THERESA A DELISHER, DARRELL C KONKLIN, FENNELLA C RAYMOND, PI  
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 PI SUSAN D HOLDERMAN, BRIGIT HANSEN, PAUL O SHEPPARD PC  
 C12N15/18, C07K14/50, C07K16/22, C07K19/00, C12N5/10, A61K38/18 CC  
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 FT source 1..917 location/Qualifiers  
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BASE COUNT 244 a 258 c 252 g 163 t  
 ORIGIN

Query Match 51.3%; Score 805.2; DB 6; Length 917;  
 Best Local Similarity 91.6%; Pred. No. 2.3e-122;  
 Matches 907; Conservative 0; Mismatches 3; Indels 80; Gaps 2;

QY 550 ATGTATTCAGCGCCCTCGCGCTGCACTTGCCTGTGTTACACTTCTCTGCTGCTCTTC 609  
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Db 241 GACAAAGTATGCCAGCTCTCTAGTGGAGACAGACACTTGGTGAATCAAGTCCGATCAAG 300
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Db 881 CCAAGGTTCTGAAGAGAAAAAAA 910

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RESULT 9
LOCUS AF211188 893 bp mRNA linear PRI 04-JAN-2000
DEFINITION Homo sapiens zFGF5 mRNA, complete cds.
ACCESSION AF211188
VERSION AF211188.1 GI:6665709
KEYWORDS
SOURCE
ORGANISM Homo sapiens.
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 893)
AUTHORS Deisher,T., Conklin,D., Raymond,F., Bukowski,T., Holderman,S.,
            Hansen,B., Sheppard,P. and O'Hara,P.
TITLE Homo sapiens homologue of fibroblast growth factor

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JOURNAL Unpublished
REFERENCE 2 (bases 1 to 893)
AUTHORS Deisher,T., Conklin,D., Raymond,F., Bukowski,T., Holderman,S.,
            Hansen,B., Sheppard,P. and O'Hara,P.
TITLE Direct Submission
JOURNAL Submitted (03-DEC-1999) Biomolecular Informatics, ZymoGenetics,
            Inc., 1201 First Lake Ave. East, Seattle, Wa 98102, USA
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BASE COUNT 225 a 256 c 250 g 162 t
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Db 881 CCAAGGTCTCTGA 893

RESULT 10
ARI40196 947 bp DNA linear PAT 16-JUN-2001
LOCUS Sequence 24 from patent US 6207442.
DEFINITION ARI40196
ACCESSION ARI40196
VERSION ARI40196.1 GI:14482692
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 947)
AUTHORS Raymond,C.K.
TITLE Plasmid construction by homologous recombination
JOURNAL Patent: us 6207442-A 24 27-MAR-2001;
FEATURES
source 1..947
BASE COUNT 246 a 258 c 256 g 163 t 24 others
ORIGIN

Query Match 48.7%; Score 765.2; DB 6; Length 947;
Best Local Similarity 88.9%; Pred. No. 8,2e-116;
Matches 907; Conservative 0; Mismatches 3; Indels 110; Gaps 3;
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RESULT 11
AX151109 1023 bp DNA linear PAT 22-JUN-2001
LOCUS AX151109
DEFINITION Sequence 3 from Patent WO0139788.
ACCESSION AX151109
VERSION AX151109.1 GI:14533311
KEYWORDS
SOURCE house mouse.
ORGANISM Mus musculus.
REFERENCE 1 (bases 1 to 1023)
AUTHORS Eukariyola; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
TITLE Methods for targeting cells that express fibroblast growth
JOURNAL patent: WO 0139788-A 3 07-JUN-2001;
FEATURES
source 1..1023
location/Qualifiers
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Db	810	GGGGACCGCTGTCAACCCACAGGTGCTGTCTCTCTAGAGGTGACAAATTCAAAATC	869
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D <sub>b</sub>	870 ATCCCCAGAGGACGACTTTGAACGAGAA-----ACTGGCAGAAAACAATGCCTTTCOC	923
Q <sub>y</sub>	1509 CCCAAGGTTCTGAAGGAAAAAAAAAAAAACAAAAAAAAAAAAAAAAAAAAA	1566
D <sub>b</sub>	924 CCCCAGGTCTGAAAGCAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	983
Q <sub>y</sub>	1569 AA 1570 	
D <sub>b</sub>	984 AA 985	

RESULT 12				
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LOCUS	AF211187	946 bp	mRNA	linear
DEFINITION	Mus musculus zfcf5 mRNA, complete cds.			ROD 04-JAN-2000
ACCESSION	AF211187			
VERSION	AF211187.1	GI:6665707		
KEYWORDS				
SOURCE				
ORGANISM	Mus musculus.			
	Eukaryota; Metazoa; Chordata; Cranialta; Vertebrata; Euteleostomi;			
	Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.			
REFERENCE	1 (bases 1 to 946)			
AUTHORS	Daisner,T., Conklin,D., Raymond,F., Bukowski,I.T., Holderman,S.,			
	Hansen,B., Shepard,P. and O'Hara,P.			
TITLE	Direct Submission			
JOURNAL	Submitted (03-BEC-1999) Biomolecular Informatics, Zymogenetics,			
	Inc., 1201 Eastlake Ave. East, Seattle, Wa 98102, USA			
FEATURES	Location/Qualifiers			
source	1..946			

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Query Match	44.68;	Score 700.2;	DB 10;	Length 946;
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Matches 847;	Conservative	0;	Mismatches 98;	Indels 38;
				Gaps 5.

[illegible]

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QY 1210 CACTCACACTCCAGAAACTGCATCAGAGGATATTTTACATGAAATAATAGAGAA 1269
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AC011400
VERSION AC011400.5 GI:18921281
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SOURCE Homo sapiens.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 160378)
DOE Joint Genome Institute and Stanford Human Genome Center.
REFERENCE
AUTHORS Direct Submission
TITLE Direct Submission
JOURNAL Unpublished
2 (bases 1 to 160378)
DOE Joint Genome Institute.
REFERENCE
AUTHORS Direct Submission
TITLE Direct Submission
JOURNAL Submitted (06-OCT-1999) Production Sequencing Facility, DOE Joint
Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
3 (bases 1 to 160378)
DOE Joint Genome Institute and Stanford Human Genome Center.
REFERENCE
AUTHORS Direct Submission
TITLE Direct Submission
JOURNAL Submitted (26-FEB-2002) DOE Joint Genome Institute, 2800 Mitchell
Drive, Walnut Creek, CA 94598, USA
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COMMENT On Feb 26, 2002 this sequence version replaced gi:7711496.
Draft Sequence Produced by DOE Joint Genome Institute
www.jgi.doe.gov
Finishing Completed at Stanford Human Genome Center
www.shgc.stanford.edu
Quality: Phrap Quality >=40 100% of Sequence;
Estimated Total Number of Errors is 0.
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LOCUS Homo sapiens chromosome 5 clone RP11-117L6, complete sequence.
DEFINITION
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VERSION AC093246.3  
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SOURCE Homo sapiens.  
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REFERENCE 1 (bases 1 to 175154)  
DOE Joint Genome Institute and Stanford Human Genome Center.  
TITLE Direct Submission  
JOURNAL Unpublished  
AUTHORS 2 (bases 1 to 175154)  
TITLE DOE Joint Genome Institute.  
JOURNAL Direct Submission  
SUBMITTED (16-AUG-2001) Production Sequencing Facility, DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA  
REFERENCE 3 (bases 1 to 175154)  
DOE Joint Genome Institute and Stanford Human Genome Center.  
AUTHORS Direct Submission  
JOURNAL Submitted (18-DEC-2001) DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA  
COMMENT On Dec 18, 2001 this sequence version replaced gi:15290460.  
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www.jgi.doe.gov  
Finishing Completed at Stanford Human Genome Center  
www.shgc.stanford.edu  
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Best Local Similarity 98.8%; Pred. No. 4.3e-97;  
Matches 656; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
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ACCESSION AX481447  
VERSION AX481447.1 GI:22316361  
KEYWORDS human.  
SOURCE Homo sapiens  
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.  
REFERENCE 1  
AUTHORS Kreutzer, R., Limmer, S., Rost, S. and Hadwiger, P.  
TITLE Method for inhibiting the expression of a target gene  
JOURNAL Patent: WO 02055693-A 61 18-JUL-2002;  
Ribopharma AG (DE)  
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